

Test – Advanced EMT – End-tidal CO₂ Monitoring

Name: _____

Date: _____

MULTIPLE CHOICE: Choose the one alternative that best completes the statement or answers the question.

1) Capnography is defined as

- A) Measurement of CO₂ in the blood stream
- B) Measurement of CO₂ after perfusion
- C) Measurement of CO₂ in exhaled air
- D) Measurement of oxygen compared to CO₂

2) Capnography is possible to obtain using

- A) End-tidal carbon dioxide detectors
- B) Adapter on the pulse oximeter
- C) End-tidal carbon monoxide detectors
- D) Post-perfusion monitor

3) One of the primary roles of end-tidal monitoring in the field is to

- A) Know how much oxygen was used by the body
- B) Help confirm endotracheal tube placement
- C) Show the direct amount of carbon put off by the cells
- D) Help confirm the placement of a gastric tube

4) Capnography can also be used for

- A) Figuring out how much oxygen is exhaled
- B) Assessing breathing patterns in non-intubated patients
- C) Assessing carbon perfusion of a patient with respiratory problems
- D) Figuring out the tidal volume of the lungs

5) Which of the following lists is the most correct list of end-tidal CO₂ monitors?

- A) Colorimetric, capnometry, and oximetry
- B) Capnometry, oximetry, and tidalographer
- C) Capnometry, colorimetric, and tidalographer
- D) Colorimetric, capnography, capnometrics





6) Which of the following is not a true statement about colorimetrics

- A) Tan is the best result to see to confirm placement of the ET tube
- B) If the patient just had carbonation it should not be used
- C) A colorimetric device uses chemicals that react to different levels of CO₂
- D) Colorimetrics should only be used for short periods of time

7) Capnometry devices provide readings _____ and should be maintained between _____

- A) Immediately, 30-40
- B) Immediately, 35-45
- C) Over time, 35-45
- D) Over time, 30-40

8) A normal capnography reading should have a reading between _____ and a wave form that looks like _____

- A) 30-40, 
- B) 35-45, 
- C) 30-40, 
- D) 35-45, 

9) You are on a call for a cardiac arrest. You have just gotten the ET tube in place and you are told to confirm it with a colorimetric device. Where do you place the device and what color would you expect to see with a proper placement?

- A) Between the ET tube and BVM, Yellow/Gold
- B) Between the ET tube and BVM, Blue
- C) Attached to the accessory port of the BVM, Purple
- D) Between the ET tube and BVM, Tan

10) Capnography can provide a visual display of _____, _____, and _____ of ventilations

- A) Rate, amount, and depth
- B) Effectiveness, rate, and speed
- C) Depth, rate, and effectiveness
- D) Effectiveness, rate, and quality

11) During resuscitation, capnography can be used to assess perfusion by

- A) Observing a decrease in end-tidal CO₂
- B) Observing a constant reading for at least 2 minutes
- C) Observing an increase in end-tidal CO₂
- D) It is not possible to assess perfusion with capnography

12) Capnography should be used for a non-intubated patient in all the following except

- A) Severe anaphylaxis
- B) Chest pain
- C) Asthma attack
- D) Hyperventilation

Answer Sheet – Advanced EMT – End-tidal CO₂ Monitoring

- 1) C
- 2) A
- 3) B
- 4) B
- 5) D
- 6) A
- 7) C
- 8) D
- 9) A
- 10) C
- 11) C
- 12) B